

EAST Search History

EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	55	US-20070007320-\$.DID. OR US-6719595-\$.DID. OR US-5994818-\$.DID. OR US-4842671-\$.DID. OR US-20050199676-\$.DID. OR US-6626349-\$.DID. OR US-20020134813-\$.DID. OR US-5604391-\$.DID. OR US-5318239-\$.DID. OR US-4596352-\$.DID. OR US-4789093-\$.DID. OR US-4792079-\$.DID. OR US-4869419-\$.DID. OR US-5019740-\$.DID. OR US-5238170-\$.DID. OR US-6173878-\$.DID. OR US-7124504-\$.DID. OR US-20040038598-\$.DID. OR US-20040050474-\$.DID. OR US-4804364-\$.DID. OR US-4382535-\$.DID. OR US-5709823-\$.DID. OR US-3850776-\$.DID. OR US-4331281-\$.DID. OR US-4853053-\$.DID. OR US-5437141-\$.DID. OR US-6811631-\$.DID. OR US-20040031554-\$.DID. OR US-5490810-\$.DID. OR US-6554755-\$.DID. OR US-20020004441-\$.DID. OR US-4394209-\$.DID. OR US-5476570-\$.DID. OR US-5626560-\$.DID. OR US-4444614-\$.DID. OR US-5774931-\$.DID. OR US-5924267-\$.DID. OR US-6078125-\$.DID. OR US-6740197-\$.DID. OR US-6745543-\$.DID. OR US-6966969-\$.DID. OR US-20020053405-\$.DID. OR US-20030217530-\$.DID. OR US-20040005431-\$.DID. OR US-20050247408-\$.DID. OR US-20070175190-\$.DID. OR US-4867370-\$.DID. OR US-	US-PGPUB; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/17 09:56

		5426341-\$.DID. OR US- 5437215-\$.DID. OR US- 5941443-\$.DID.				
S2	3	US-2021978-\$.DID. OR US- 2061986-\$.DID. OR US- 7031987-\$.DID.	US-PGPUB; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/17 09:58
S3	8	((("4074152") or ("4596352") or ("4646957") or ("4736881"))).PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/01/17 09:59
S4	32	stroh-dieter.in. or dieterie- horst.in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/17 10:10
S5	216	(delfect\$3 or bend\$3 or displacement) with (sonotrode or horn or vibrator) and ultrasonic near3 weld\$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/17 10:25
S6	72	S5 and ratio	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/17 10:26
S7	0	ep-2002014195-a\$.did.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/17 10:27
S8	2	"20050263520"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/17 10:29
S9	0	wo-2003051612-a4.did.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/17 10:32

S10	0	wo-200351612-a4.did.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/17 10:32
S11	0	wo-2003051612-a4.did.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/17 10:32
S12	1	wo-2003051612-a\$.did.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/17 10:33
S13	30	("4252586" "4404052" "4473432" "4534818" "4659614" "4668316" "4681645" "5057182" "5087320" "5096532" "5110403" "5552013" "5562790").PN. OR ("5707483").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/01/17 11:23
S14	61	(deflect\$3 or bend\$3) with (sonotrode or horn) and ultrasonic near3 weld\$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/17 11:36
S15	5	((reduc\$3 or decreas\$3 or lower\$3 or improv\$3) near3 (deflect\$3 or bend \$3)) with (sonotrode or horn) and ultrasonic near3 weld\$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/17 11:37
S16	16	((("20020134813") or ("3681176") or ("20030136523") or ("6818098") or ("5603444") or ("5147082"))).PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/01/17 12:54
S17	105	(deflect\$3 or bend\$3) with (sonotrode or horn) and ultrasonic near3 weld\$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/17 13:04

S18	1	(deflect\$3 or bend\$3) with (sonotrode or horn) same mm and ultrasonic near3 weld\$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/18 10:56
S19	13	(deflect\$3 or bend\$3) with (sonotrode or horn) same (inch or inches or range or cm or m) and ultrasonic near3 weld\$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/18 10:58
S20	1063	228/110.1.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/18 13:38
S21	388	S20 and (sonotrode or horn or (ultrasonic near2 welding near2 (tool or device or appartus or machine means)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/18 13:41
S22	10	S21 and (deflect\$3 or bend \$3) with (ratio or mm or cm or inch or inches or range)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/18 13:42
S23	1065	228/110.1.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/28 10:49
S24	389	S23 and (sonotrode or horn or (ultrasonic near2 welding near2 (tool or device or appartus or machine means)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/28 10:49
S25	8	S24 and (deflect\$3 or bend \$3) near10 (protrud\$3 or protrusion or project\$3 or protuberence or reinforcement)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/28 10:49

S26	6	(reduc\$4 or decreas\$3) near5 (deflect\$3 or bend \$3) with (sonotrode or horn) and ultrasonic near3 weld\$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/07/16 11:00
S27	13	("4252586" "4404052" "4473432" "4534818" "4659614" "4668316" "4681645" "5057182" "5087320" "5096532" "5110403" "5552013" "5562790").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/07/16 11:12
S28	22	"5707483"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/23 10:39
S29	18	("5087320" "5095188" "5096532" "5110403" "5645681" "5707483" "5871605" "5976316" "6059923" "6099670" "6149755" "6222131"). PN. OR ("6457626").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/12/23 10:42
S30	2	("0277524").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/12/23 10:54
S31	0	ru-277524-\$.did.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/23 10:55
S32	1	su-277524-\$.did.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/23 10:57
S33	2	("6824630").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/12/23 13:47

S34	9	("5785786" "6089438" "6156138" "6562166" "6585836").PN. OR ("6824630").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/12/23 13:47
S35	42	("4252586" "4404052" "4473432" "4534818" "4659614" "4668316" "4681645" "5057182" "5087320" "5096532" "5110403" "5552013" "5562790").PN. OR ("5645681").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/12/23 13:52
S36	194	(reduc\$4 or decreas\$3) near5 (vibrat\$4 or deflect \$3 or bend\$3) with (sonotrode or horn) and ultrasonic	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/23 14:14
S37	16	(reduc\$4 or decreas\$3) near5 (deflect\$3 or bend \$3) with (sonotrode or horn) and ultrasonic	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/23 14:15
S38	1	su-277524-\$.did.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/06/26 16:50
S39	4	("4208001").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/06/26 16:55
S40	21	("2946119" "3017792" "3184842" "3436005" "3752380" "3813006").PN. OR ("4208001").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/06/26 16:58
S41	11	("3101634" "3780926" "4208001").PN. OR ("5699950").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/06/26 17:00
S42	2	("3436005").URPN.	USPAT	OR	ON	2009/06/26 17:06
S43	8	("3017792").URPN.	USPAT	OR	ON	2009/06/26 17:07

S44	10	schunk.as. and ultrasonic near2 (bonding or welding) and (node\$1 or antinode\$1 or anti\$node\$1)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/29 11:13
S45	2140	156/73.1,580.1.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/24 17:49
S46	86	S45 and ultrasonic near5 (weld\$3 or bond\$3) and reinforcement	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/24 17:50
S47	391	310/323.01,323.18.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/07/07 18:43
S48	496	156/580.2.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/07/07 19:01

EAST Search History (I nterference)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S49	0	(sonotrode and ultrasonic and surface and reinforcement and curv\$3).clm.	USPAT; UPAD	OR	ON	2010/07/07 18:38
S50	2	(sonotrode and ultrasonic and surface and reinforcement).clm.	USPAT; UPAD	OR	ON	2010/07/07 18:39
S51	6	(sonotrode or horn) same surface same reinforcement same (curv\$3 or circular or bend \$3)	USPAT; UPAD	OR	ON	2010/07/07 18:40
S52	1053	228/1.1,110.1.ccls.	USPAT; UPAD	OR	ON	2010/07/07 18:40
S53	1326	156/73.1,580.2,580.2.ccls.	USPAT; UPAD	OR	ON	2010/07/07 18:42
S54	3	(S52 or S53) and ultrasonic and (sonotrode or horn) same surface same reinforcement	USPAT; UPAD	OR	ON	2010/07/07 18:43

S55	0	(S52 or S53) and (sonotrode or horn) same surface same reinforcement same deflec\$3	USPAT; UPAD	OR	ON	2010/07/07 18:47
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